

## 32-6019: Mouse Anti Human Phosphoserine Phosphatase(Clone:P3G12AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P3G12AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	PSPH
<b>Gene ID :</b>	5723
<b>Uniprot ID :</b>	P78330
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Phosphoserine phosphatase,EC 3.1.3.3,PSP,O-phosphoserine phosphohydrolase,PSPase,L-3-phosphoserine phosphatase,PSPH.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human PSPH mAb, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PSPH amino acids 1-225 purified from E. coli.

### Description

Human Phosphoserine phosphatase (hPSP) is an important enzyme in the phosphorylated pathway of serine biosynthesis, which contributes a major portion of the endogenous L-serine. Similar to known L-3-phosphoserine phosphatases, it catalyzed the Mg<sup>2+</sup>-dependent hydrolysis of L-phosphoserine and an exchange reaction between L-serine and L-phosphoserine. Recently, its complex structures reveal that the open-closed environmental change of the active site, generated -helical bundle domain, is important to substrate by local rearrangement of the recognition and hydrolysis.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	PSPH antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

PSPH antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 2,000. Recommended starting dilution is 1:1,000.